WHAT IS CLAIMED IS:

1. A method of preparing a fluid mixture comprising predetermined amounts of two or more fluids, the method comprising the steps of:

providing a first vessel comprising a body and a neck extending upwardly from said body, said neck having a smaller cross-sectional area than said body;

delivering a first fluid to said first vessel to fill said body and at least a portion of said neck;

reading a sight tube connected to said first vessel, said sight tube indicating an amount of said first fluid in said first vessel;

discontinuing said delivery of said first fluid when said sight tube indicates that a predetermined amount of said first fluid is in said first vessel;

providing a second vessel;

delivering a second fluid to said second vessel;

reading a sight tube connected to said second vessel, said sight tube indicating an amount of said second fluid in said second vessel;

discontinuing said delivery of said second fluid when said sight tube indicates that a predetermined amount of said second fluid is in said second vessel;

delivering said predetermined amounts of said first and second fluids to a mix chamber; and

mixing said predetermined amounts of said first and second fluids in said mix chamber.

- 2. The method of Claim 1, wherein said second vessel comprises a body and a neck extending upwardly from said body, said neck having a smaller cross-sectional area than said body, and said delivering of said second fluid to said second vessel comprises filling said body and at least a portion of said neck of said second vessel.
 - 3. A chemical delivery apparatus, comprising:

a first vessel comprising a body and a neck extending upwardly from said body, said neck having a smaller cross-sectional area than said body, a fluid inlet

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	a first fluid source selectively communicating with said first vessel
5	through said fluid inlet of said first vessel;
	a sight tube connected between said first and second sight tube ports of
	said first vessel, said sight tube indicating an amount of fluid in said first vessel;
	a second vessel comprising a fluid inlet and a fluid outlet;
	a second fluid source selectively communicating with said second vessel
10	through said fluid inlet of said second vessel; and
	a mix chamber selectively communicating with said first and second
	vessels through said fluid outlets of said first and second vessels.
	4. The apparatus of Claim 3, wherein a cross-sectional area of said neck is
	less than about one-third that of said body.
15	5. The apparatus of Claim 3, further comprising an optical sensor, said
	optical sensor sensing a height of a fluid column in said sight tube.
	6. The apparatus of Claim 5, further comprising a programmable controller
	in communication with said optical sensor.
	7. A method of preparing a fluid mixture comprising predetermined
20	amounts of two or more fluids, the method comprising the steps of:
	providing a vessel comprising a body and a neck extending downwardly
	from said body, said neck having a smaller cross-sectional area than said body;
	delivering a first fluid to said vessel to fill a portion of said neck;
	reading a sight tube connected to said vessel, said sight tube indicating an
25	amount of said fluid in said vessel;
	discontinuing said delivery of said first fluid when said sight tube
	indicates that a predetermined amount of said first fluid is in said vessel;
	delivering a second fluid to said vessel to fill a remaining portion of said
	neck and at least a portion of said body;
30	reading said sight tube;

near a top of said neck, a fluid outlet near a bottom of said body, a first sight

tube port near the top of said neck, a second sight tube port near the bottom of

said body, and a vent opening near the top of said neck;

discontinuing said delivery of said second fluid when said sight tube indicates that a predetermined amount of said second fluid is in said vessel; and delivering said predetermined amounts of said first and second fluids to a storage chamber.

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- 8. The method of Claim 7, wherein said reading comprises sensing a height of a fluid column in said sight tube with an optical sensor.
 - 9. A chemical delivery apparatus, comprising:

a vessel comprising a body and a neck extending downwardly from said body, said neck having a smaller cross-sectional area than said body, a first fluid inlet near a top of said body, a second fluid inlet near a top of said body, a fluid outlet near a bottom of said neck, a first sight tube port near a top of body, a second sight tube port near a bottom of said neck, and a vent opening near a top of said body;

a first fluid source selectively communicating with said vessel through said first fluid inlet;

a second fluid source selectively communicating with said vessel through said second fluid inlet;

a sight tube connected between said first and second sight tube ports, said sight tube indicating an amount of fluid in said first vessel; and

a storage chamber selectively communicating with said vessel through said fluid outlet.

- 10. The apparatus of Claim 9, wherein a cross-sectional area of said neck is less than about one-third that of said body.
- 11. The apparatus of Claim 9, wherein said vessel further comprises a transitional region between said body and said neck, said transitional region having a cross-sectional area that decreases progressively from said body to said neck.
- 12. The apparatus of Claim 11, wherein a cross-sectional area of said neck decreases from said transitional region to the bottom of said neck.